

# CHAITALI MERAI

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## Professional Summary

Results-oriented **Senior Software Developer** with 8+ years of experience developing user-centric, responsive, and accessible web applications. Proven expertise in **JavaScript, React.js, Next.js, and TypeScript** with a strong command of **modern UI/UX design**, web designing, strong knowledge of **Data Structures & Algorithms (DSA)**, **AODA compliance**, **API integration**, and **problem-solving**, and **performance optimization techniques**.

## Technical Skills

**Languages & Frameworks:** JavaScript(ES6+), TypeScript, React.js, Next.js, Angular, PHP, jQuery, HTML5, CSS3, Tailwind CSS, SCSS, Bootstrap

**Backend & CMS:** PHP (OOP), MySQL, MongoDB, SQL Server, WordPress, GraphQL, REST APIs

**Cloud & DevOps:** AWS (EC2, S3, RDS), Azure (DevOps, CI/CD), GitHub Actions, Firebase

**Tools:** Git, GitHub, Visual Studio, VS Code, Postman, JIRA, Storybook

**UI/UX Design:** Figma, Adobe XD, Photoshop, Material UI, Styled Components

**Frameworks & Technologies:** React.js, Bootstrap, SASS, LESS, REST API, Web API, Object Oriented Programming, Design Patterns, Data Structures, Entity Framework, Agile Methodology, SDLC

**DSA & Algorithms:** Sorting (Merge/Quick/Heap), Searching (Binary, BFS, DFS), Graphs, Trees, DP Problem Solving

**Testing & QA:** Jest, Cypress, Test-Driven Development (TDD)

**Other Technologies:** REST APIs, SEO, Google Analytics, Stripe, PayPal Integration

**Methods:** Agile (Scrum), TDD, Performance Optimization, Code Reviews

## Professional Experience

### Freelance Software Developer | Zestbrains Pvt. Ltd

Mar 2023 – Present

- Delivered 5+ freelance projects in eCommerce, logistics, and SaaS domains using React.js and Next.js with optimized algorithm design for dynamic filtering, search, and pagination.
- Created secure authentication flows using JWT and Firebase Auth for multi-tenant platforms with custom token validation algorithms.
- Built scalable CMS platforms in PHP/WordPress integrating third-party APIs and payment gateways with efficient data handling using appropriate data structures (e.g., hash maps, trees for menu hierarchies).
- Deployed web applications on AWS (EC2, RDS, S3) and configured CI/CD pipelines using GitHub Actions.
- Participated in Git-based workflows with Pull Requests, code reviews, and continuous integration pipelines (CI/CD via GitHub Actions).
- Worked closely with overseas stakeholders, delivering weekly demos, documentation, and architecture proposals within Agile Scrum sprints.
- Utilizes AI tools and prompt engineering to streamline development and boost productivity.

### Senior Software Engineer | Green Apex Technolabs, India

Sept 2021 – Feb 2023

- Led development of Yup.gg, integrating social APIs (Instagram, Facebook, Twitch, Twitter) using queue-based data structures for efficient feed processing and updates.
- Built and maintained scalable applications using React.js (with Hooks, Context API, Zustand) and Angular (v10+) with advanced routing and reactive form patterns.
- Engineered robust TypeScript-based architecture, improving type safety, autocompletion, and error handling across large-scale frontend projects.
- Migrated legacy monolithic frontend codebases to a Micro Frontend architecture using Webpack Module Federation, increasing team autonomy and deployment flexibility.
- Designed and implemented responsive and accessible UIs using Tailwind CSS, Styled Components, and Material UI, optimized for WCAG/AODA compliance.
- Applied algorithm design principles to implement lazy loading, memoization, and bundle splitting, improving load times by ~35%.
- Developed shared UI component libraries (npm workspace + Storybook) for internal reuse across multiple applications and teams.
- Integrated secure auth flows (JWT, OAuth2) with proper error handling, leveraging data structures for managing token state and refresh queues.

**Senior Web Developer | Zestbrains Pvt. Ltd, India****Jan 2020 – Aug 2021**

- Developed and maintained 10+ full-stack web applications for clients in retail, healthcare, education, and logistics, using Angular, React.js, and Bootstrap.
- Delivered single-page applications with router-based navigation, lazy modules, and form validation using Angular Reactive Forms and Template-driven Forms.
- Applied Atomic Design principles and built reusable components, custom directives, and shared services to reduce redundancy.
- Built pixel-perfect frontends from Figma/Adobe XD wireframes using responsive CSS (SCSS, Flexbox, Grid), adhering to modern UX/UI principles.
- Optimized performance using asynchronous data fetching strategies, efficient array operations, and dynamic imports.
- Refactored legacy jQuery and PHP-based UIs into modern React components with hooks and context management.
- Built secure, modular auth flows with JWT/OAuth and session persistence using state machines and graph-based route guards.
- Conducted code reviews and mentored junior developers in HTML5, SCSS, TypeScript, Angular CLI, and Git branching strategy.
- Frequently applied data structures and algorithms (DSA) concepts such as recursion, stack/queue usage, and tree traversal in building features like dropdowns, calendars, and form wizards.

**Frontend Developer | Jellynut Technology, India****June 2014 – Dec 2019**

- Designed and developed user-centric interfaces using React, Material UI, and Styled Components.
- Actively participated in training sessions to enhance technical skills and stay updated with emerging technologies.
- Learned SCSS, responsive web design principles, and W3C standards through formal training and project work.
- Wrote, evaluated, and debugged React code using various frameworks and libraries like Material UI, Semantic UI React, Styled components, React Hook Form, Prettier, Ant-design, and React Spinner
- Learned JavaScript, Cocos2dx and applied it in projects like Reading Detective, Math Detective and Science Detective and each has three different levels such as Beginning, A1, B1.
- Wrote, evaluated, and debugged Python code using various frameworks and libraries like Lightbox, Accordion.
- Used Firebase for push notifications, Google Maps API, Google Analytics, Geolocation, Google Maps, Splash screen, Keyboard, Camera, Local notification, File System, Dialog, Dialog and much more.
- Utilizes AI tools and prompt engineering to streamline development and boost productivity.

**Projects****Indian Basket – Online Grocery Store • [indianbasket.rf.gd](http://indianbasket.rf.gd)**

Built PHP & MySQL-based eCommerce grocery store with Stripe Checkout, admin panel, dynamic invoice PDF, and full order management system

**LocalCare – Doctor Listing Platform • [Doctor Listing App](http://Doctor Listing App)**

React.js and Next.js doctor directory with category/location filters, SEO optimization, and AODA-compliant UI

**Green Apex Corporate Website • [green-apex.com](http://green-apex.com)**

Corporate website using React + Headless CMS, deployed via AWS (EC2, S3, CloudFront)

**Loktej – Gujarati News Portal • [loktej.com](http://loktej.com)**

Multilingual news site built with WordPress, PHP, and MySQL. Developed custom themes/plugins, integrated RSS & social sharing, and optimized performance with lazy loading and caching. Enabled admin-friendly content publishing by category.

**Social Platforms**

**Portfolio:** <https://meraichaitali75.github.io/portfolio/>

**Linkedin:** <https://www.linkedin.com/in/chaitali-merai-1b8b4a198/>

**Education**

**Web Development |** Conestoga College, kitchener, ON Canada | GPA - 3.36/4

**Jan 2024 – Apr 2025**

**Bachelor of Computer Application (BCA) |** VNSGU, Gujarat, India

**Jan 2011 – Feb 2014**

**Open Work Permit Holder – Eligible to work in Canada without sponsorship**